

reaches a predetermined position to rock the pivoted member on the other member to cause the closure of the circuit, and after a predetermined pivotal movement to shift both members to cause the opening of the circuit.

7. In combination in a circuit breaker, a pair of relatively movable contacts, a movable member carrying one of said contacts and having a movable support, means for causing said member and support to move both independently and in unison to cause the engagement and separation of the contacts, said member being pivoted to said support between its ends, the contact being carried on one side of the pivot, and a cam engaging said member on the opposite side of the pivot.

8. In a circuit breaker, a pair of relatively movable contacts, a movable member carrying one of said contacts, a movable support to which said member is pivoted, said support being spring-biased to move in one direction, a cam for giving said member a predetermined movement and then releasing the same, and a spring operative upon the release by the cam for rocking said member about its pivot on said support so as to close the circuit breaker and for then shifting both the member and its support to open the circuit breaker.

9. In a circuit breaker, a stationary contact, a movable contact, a movable member supporting the latter, a cam cooperating with said member and a spring acting on said member to shift the movable contact in one direction to close the circuit breaker and to then shift the contact in the opposite direction to open the circuit breaker.

10. In a circuit breaker, a stationary contact, a movable contact, a cam, a movable

member supporting the movable contact, two springs of unequal strengths controlling said member and acting in conjunction during the closing of the circuit breaker and in opposition during the opening of the circuit breaker.

11. In a circuit breaker, a stationary contact, a movable contact, a movable supporting member, a second movable supporting member carrying the movable contact and pivoted to the first named movable supporting member, a rotary cam associated with and adapted to engage said pivoted supporting member said cam serving to rock said pivoted supporting member on the first named supporting member and then to shift both said supporting members, and means comprising a spring for shifting said pivoted supporting member to close the circuit and subsequently to shift both said members to open the circuit.

12. In a circuit breaker, a pair of relatively movable contacts, two movable supporting members for one of the contacts, including one member pivoted between its ends on the other, the contact being carried on one side of the pivot, a cam engaging said member on the opposite side of the pivot and a spring engaging the pivoted member and serving to shift the latter when released by the cam relative to the member which supports it to close the circuit, and after a predetermined relative movement serving to shift both members.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

JOSEPH A. WILLIAMS.

Witnesses:

E. B. GILCHRIST,
A. J. HUDSON.